



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

MIURA et al.

Patent No.: 6,933,810 B2

Attorney Docket No.: 025720-00020

Issued: August 23, 2005

For: SURFACE ACOUSTIC WAVE DEVICE AND FILTER USING THE SAME

**REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

December 22, 2005

Sir:

The undersigned requests that a Certificate of Correction be issued for the above-identified patent as indicated on the attached Form PTO-1050.

**REMARKS**

This request is being made in order to correct an error with respect to the Assignee information on the patent cover page as well as the Abstract of the Disclosure and the Summary of the Invention.

In support of the correction, the undersigned attach herewith a copy of the proposed Certificate of Correction, along with the original assignment and an official USPTO Notice of Recordation of Assignment Document. It is submitted that no new matter has been added.

Applicants respectfully submit that the original Assignees of the above-referenced invention entitled "SURFACE ACOUSTIC WAVE DEVICE AND FILTER USING THE SAME" are listed as,

12/23/2005 JADD01 00000024 6933810

02 FC:1811

100.00 0P

FUJITSU MEDIA DEVICES LIMITED  
3-12, Shin-Yokohama 2-chome,  
Kohoku-ku, Yokohama-shi,  
Kanagawa 222-0033 JAPAN; and

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 6,933,810 B2

DATED: August 23, 2005

INVENTOR(S): MIURA et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Title Page -**

Item [73], Assignee Information

Please add the following Assignee's name and address:

-- Fujitsu Media Devices Limited, Yokohama (JP) --.

**Abstract of the Disclosure -**

Please amend the Abstract as follows:

A surface acoustic wave device includes a piezoelectric substrate having a first surface on which comb-like electrodes are formed, and a second surface, and a support substrate joined to the second surface of the piezoelectric substrate. The piezoelectric substrate is made of lithium, tantalate, and the support substrate is made of sapphire. The following expressions being satisfied:

$$T/t < 1/3$$

$$T/\lambda > 10$$

where T is a thickness of the piezoelectric substrate, t is a thickness of the support substrate, and  $\lambda$  is a wavelength of a surface acoustic filter-an IDT forming a resonator including the comb-like electrodes propagated along the first surface of the piezoelectric substrate.

**Summary of the Invention -**

**Column 2, lines 50-53 -**

where T is a thickness of the piezoelectric substrate, t is a thickness of the support substrate, and  $\lambda$  is a wavelength of a surface acoustic filter-an IDT forming a resonator including the comb-like electrodes propagated along the first surface of the piezoelectric substrate.

**Column 2, line 66 to column 3, line 2 -**

where  $T$  is a thickness of the piezoelectric substrate,  $t$  is a thickness of the support substrate, and  $\lambda$  is a wavelength of a surface acoustic filter-an IDT forming a resonator including the comb-like electrodes propagated along the first surface of the piezoelectric substrate.

**MAILING ADDRESS OF SENDER:**

Customer No. 004372

**ARENT FOX PLLC**

1050 Connecticut Avenue, N.W., Suite 400  
Washington, D.C. 20036-5339

Patent No. 6,846,212 B2

No. of add'l. copies  
@ 30¢ per page

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 6,933,810 B2

DATED: August 23, 2005

INVENTOR(S): MIURA et al.

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Patent No. 6,846,212 B2

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**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 16, 2004

PTAS



\*102707274A\*

ARENT FOX PLLC  
CHARLES M. MARMELSTEIN  
1050 CONNECTICUT AVENUE, NW  
SUITE 400  
WASHINGTON, DC 20036-5339

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/25/2004

REEL/FRAME: 015132/0887

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 02572000020

ASSIGNOR:  
MIURA, MICHIO

DOC DATE: 11/19/2003

ASSIGNOR:  
MATSUDA, TAKASHI

DOC DATE: 11/19/2003

ASSIGNOR:  
SATO, YOSHIO

DOC DATE: 11/20/2003

ASSIGNOR:  
UEDA, MASANORI

DOC DATE: 11/19/2003

015132/0887 PAGE 2

ASSIGNEE:

FUJITSU MEDIA DEVICES LIMITED  
3-12, SHIN-YOKOHAMA 2-CHOME,  
KOHOKU-KU  
YOKOHAMA-SHI, KANAGAWA, JAPAN

222-0033

ASSIGNEE:

FUJITSU LIMITED  
1-1, KAMIKODANAKA 4-CHOME,  
NAKAHARA-KU  
KAWASAKI-SHI, KANAGAWA, JAPAN

211-9599

SERIAL NUMBER: 10724577

FILING DATE: 12/01/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: SURFACE ACOUSTIC WAVE DEVICE AND FILTER USING THE SAME

THERESA FREDERICK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

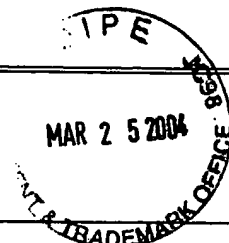
03-30-2004

Form PTO-1595  
RECORDATION FORM C

102707274

U.S. Department of Commerce  
Patents & Trademark OfficeAttorney Docket No. 025720-00020  
Date: March 25, 2004

MAR 25 2004



3/25/04

To the Assistant Commissioner of Patents  
Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies)

(1) Michio MIURA; (2) Takashi MATSUDA; (3) Yoshio SATOH; and  
(4) Masanori UEDA

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

(1) FUJITSU MEDIA DEVICES LIMITED  
3-12, Shin-Yokohama 2-chome, Kohoku-ku  
Yokohama-shi, Kanagawa 222-0033 Japan

and

(2) FUJITSU LIMITED  
1-1, Kamikodanaka 4-chome, Nakahara-ku  
Kawasaki-shi, Kanagawa 211-8588 Japan

Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_Execution Date: (1) November 19, 2003; (2) November 19, 2003;  
(3) November 20, 2003; and (4) November 19, 2003

## 4. Application number(s) or patent number(s):

• If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
10/724,577

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Arent Fox PLLC

Street Address: 1050 Connecticut Avenue, N.W., Suite 400

Washington, D.C. 20036-5339

6. Total number of applications and patents involved:  
One

7. Total fee (37 CFR 3.41)..... \$ 40.00

☒ Included in attached check # 401339☒ Any additional fees are authorized to be charged to deposit account8. Deposit account number: 01-2300  
(Attach duplicate copy of this page if paying by deposit account)

03/26/2004 WABDELRI 00000066 10724577

03 FC:8021

40.00 DP

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Charles M. Marmelstein

Name of Person Signing  
Reg. No. 25,895

Signature

March 25, 2004

Date

Total number of pages including cover sheet, attachments, and document: 2



Docket No:

**U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventors (hereinafter ASSIGNOR) by:

FUJITSU MEDIA DEVICES LIMITED of 3-12, Shin-Yokohama 2-chome, Kohoku-ku, Yokohama-shi, Kanagawa 222-0033 Japan, and FUJITSU LIMITED of 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled:

**SURFACE ACOUSTIC WAVE DEVICE AND FILTER USING THE SAME**

for which application for Letters Patent of the United States was filed on December 1, 2003 and assigned Serial No. 10/724,577 (Arent Fox Kintner Plotkin & Kahn, PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known) and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

[Signature(s)  
of Assignor(s)]

Michio Miura  
(SIGNATURE)

Michio Miura  
(TYPE NAME)

19/Nov./2003  
(DATE)

Takashi Matsuda  
(SIGNATURE)

Takashi Matsuda  
(TYPE NAME)

19/Nov./2003  
(DATE)

Yoshio Satoh  
(SIGNATURE)

Yoshio Satoh  
(TYPE NAME)

20/Nov./2003  
(DATE)

Masanori Ueda  
(SIGNATURE)

Masanori Ueda  
(TYPE NAME)

19/Nov./2003  
(DATE)

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(SIGNATURE)

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(DATE)

NO LEGALIZATION REQUIRED